## CLAIMS

- 1. A self-locking carbon adsorbent comprising a carbon nanoborn aggregate provided with one or more openings in the wall part thereof, wherein a substance to be adsorbed passes through the opening in one limited direction from the outside to inside of the carbon nanoborn in isothermal or isobaric adsorption.
- 2. A self-locking carbon adsorbent according to Claim 1, wherein the substance to be adsorbed is gas which is put in a supercritical state at room temperature.
- 3. A self-locking carbon adsorbent according to Claim 1 or 2, wherein the substance to be adsorbed is methane gas and the methane gas is allowed to be adsorbed in a quasi-liquid state in the inside of the carbon nanohorn.

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4. A self-locking carbon adsorbent according to Claim 3, wherein the methane gas adsorption ability V/Vs (where V represents the volume of gas to be adsorbed and Vs represents the volume of an adsorbent) is 150 or more at 303 K under a pressure of 3.5 MPa.